

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114

ANNUAL OPERATIONS AND PROGRESS REPORT

19 82

(To be filed for each mining operation at the end of each calendar year.)

OPERATOR:	<u>Plateau Resources Limited</u>	MINE NAME:	<u>Shootaring Canyon Processing Facility (mill)</u>			
ADDRESS:	<u>772 Horizon Drive</u>	PERMIT #:	<u>ACT/017/016</u>			
	<u>Grand Junction, CO 81501</u>		<u>33 and 34 T</u>	<u>35S</u>	<u>11E</u>	<u>SLBM</u>
			<u>Sec.3 and 4T.</u>	<u>36S</u>	<u>R. 11E</u>	<u>SLBM</u>
REPRESENTATIVE:	<u>Fred W. Gerdeman</u>	DATE OF APPROVAL:	<u></u>			

- (1) Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, require each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, providing a detailed status of all mining and reclamation activities which have occurred during the past year.
- (2) The gross amount of materials moved during the year for this mining operation was: N/A Please refer to the attachment,

The disposition of each type of material was: N/A

(3) Status of reclamation work.*

<u>Month</u>	<u>Number of acres</u>	<u>Type of Work Performed</u>	<u>Results (Revegetation Success)</u>
January		Please see the attachment.	
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

*The monthly status of reclamation work should include such items as clean-up, regrading, recontouring, soil preparation, seeding, etc., and may be outlined on a separate sheet if necessary.

PLATEAU RESOURCES LIMITED

1982 Shootaring Canyon Processing Facility Annual Report

Milling

In the month of January and the first half of February 1982, work consisted of routine maintenance activities and getting the plant ready for start-up. The latter part of February and all of March were spent in hiring and training of new employees. Some mechanical and electrical projects were done during this time.

Start-up testing of the Shootaring Canyon Processing Facility began on April 13, 1982 after all regulatory requirements were met. Start-up testing of the plant was successfully completed by May 31, 1982 with very minor mechanical problems in the plant. The plant start-up testing confirmed its capabilities with regard to design capacity and metallurgical performance. Following the completion of start-up testing, the plant was declared to be in a commercial operational mode beginning June 1, 1982. Then, due to the continued deteriorating economic conditions in the uranium industry, it became necessary to re-evaluate the strategic plans for the operation of the Processing Facility. Therefore, on August 13, 1982, the Board of Directors of Plateau Resources Limited adopted a revised plan of operation which included the suspension of operations at the Processing Facility effective August 18, 1982, and the scale-down of operations at the Tony M mine. As a result of this decision, all of the effected employees at the plant were informed of the decision on August 18, 1982, and the ore feed to the plant was shut off the same day. All of the employees at the plant were kept on the payroll until August 27, 1982 to clean up the plant and to remove the solids from the grinding, leaching and counter-current decantation circuits. This phase of the plant shutdown was

achieved successfully, and the work force was reduced to the present level of 15 employees.

At the end of October 1982, the solids from all the plant equipment had been removed with the exception of approximately 9000 pounds of U_3O_8 concentrate contained in the yellowcake calciner which remains as in-circuit inventory. All the tanks in the plant have been filled with fresh water to avoid deterioration of the wood stave tanks, rubber lining, etc. Repairs and maintenance of Processing Facility equipment are in progress utilizing the very limited staff at the plant.

In order to keep the plant ready to restart normal operations with minimal effort and expense all the plant equipment except for the calciner in the product area will be operated for a short period of time every week and the water contained in the tanks is replaced to avoid stagnation.

Ninety-three thousand (93,000) tons of uranium ore are presently stockpiled at the Processing Facility. Haulage of ore from selected royalties from the Tony M mine continued after cessation of milling until February 1983. All ore that has been mined subsequent to that date has been stockpiled at or near the minesite.

The metallurgical and analytical laboratory at the Processing Facility was designed and equipped to provide analytical support services for the mine and plant operations. Subsequently, because of favorable cost studies, better control of data quality, and a faster sample result time, analytical services were expanded to include most environmental and radiological health department samples. All the services provided by this laboratory were satisfactory, and by the end of 1982 the laboratory began providing its services company-wide including sample analysis for the Geology Department. Ore samples are ground and oven-dried in the Bucking Room before delivery to the laboratory for analysis.

Other ongoing activities at the Processing Facility include warehousing, heavy equipment and vehicle repair and servicing, and irrigation and maintenance of some reclaimed areas. Around-the-clock security and access control are provided by a contracted security firm.

At present, Plateau expects to resume milling and return to normal mining levels in late 1984 in order to meet existing commitments for the delivery of concentrates in 1985.

Reclamation

There was no additional surface disturbance associated with the Processing Facility in 1982 so reclamation activities mainly consisted of maintenance and inspection of the reclaimed areas that were discussed in the 1981 Annual Operations and Progress Report. Borrow Area A was mulched with straw in January and seeded. Several sites were reseeded and some additional sediment traps and contour furrows were reconstructed. Establishment of vegetation on the borrow areas is proceeding slowly but steadily. Russian thistle (Salsola kali) remains the dominant species on the reclaimed area, but native flora is becoming established. A small, experimental irrigation system was designed and will be installed in Borrow Area A in 1983.

The U. S. Bureau of Mines, Plateau, and several other mining firms have been cooperatively conducting research for several years into potential soil characteristic changes in stockpiled topsoil using the Processing Facility's temporary topsoil stockpile as one of the test areas. The Bureau has lost its funding for continuing the project, but expects to publish its preliminary findings in the near future. Information obtained from this research should prove beneficial when planning future topsoil stockpiles.

Plateau and the U. S. Soil Conservation Service (SCS) are jointly involved in establishment and monitoring of several plant materials test plots at the Processing Facility and at other sites in the Shootaring Canyon area. These test plots are designed to provide data on the potential use of newly introduced varieties of plants for reclamation on arid sites. SCS's funding for testing has been reduced, but Plateau is continuing to monitor the test plots.



General Office: 772 Horizon Drive, Grand Junction, CO 81501
Corporate Office: 212 West Michigan Avenue, Jackson, MI 49201
Registered Office: 136 South Main, Salt Lake City, UT 84101

*File as
indicated
below*

(303) 245-5460
(517) 788-1942
(801) 534-0734

JIM

AUG 09 1983

July 29, 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Reference: 1982 Annual Operations and Progress Reports

Dear Sirs:

In accordance with Section 40-8-15 and Rule 8 of the Utah Mined Land Reclamation Act, Plateau Resources Limited herewith submits the Annual Operations and Progress Reports for the following projects:

1. Tony M/Lucky Strike Mine
2. Frank M Mine
3. Shootaring Canyon Processing Facility

ACT/017/001
ACT/017/017
ACT/017/016

*Map in
ACT/017/001*

Also enclosed is an updated map of the Shootaring Canyon Project Area.

The reports and accompanying map are of a proprietary nature, and Plateau requests that the information therein be held as confidential by the Division.

If you have any questions, please call me at (303) 245-5460 or (801) 788-2120.

Sincerely,

Fred W. Gerdeman

Fred W. Gerdeman
Governmental Affairs Supervisor

FWG/ksd

Enc.

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AUG 10 1983

DIVISION OF
OIL, GAS & MINING

ACT/017/001
 ACT/017/016

see small scarp
 map?

165-170 gpm
 Jan - July
 20-120 gpm
 evaporate

water in
 fractures &
 hill holes
 table water
 140'
 pumped
 560' up
 now
 monitor
 with 3 new
 wells

300'

3 7/8 dip SW

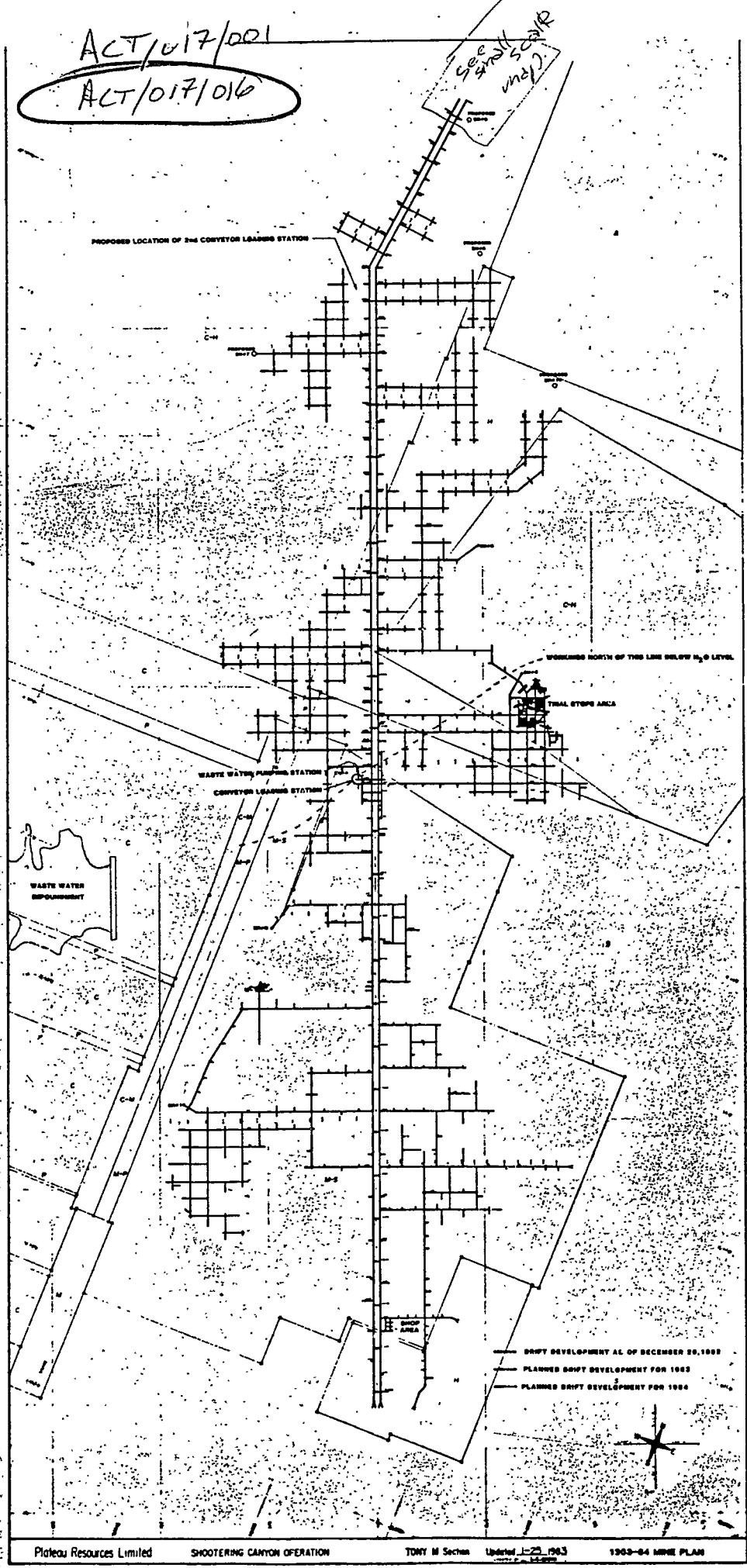
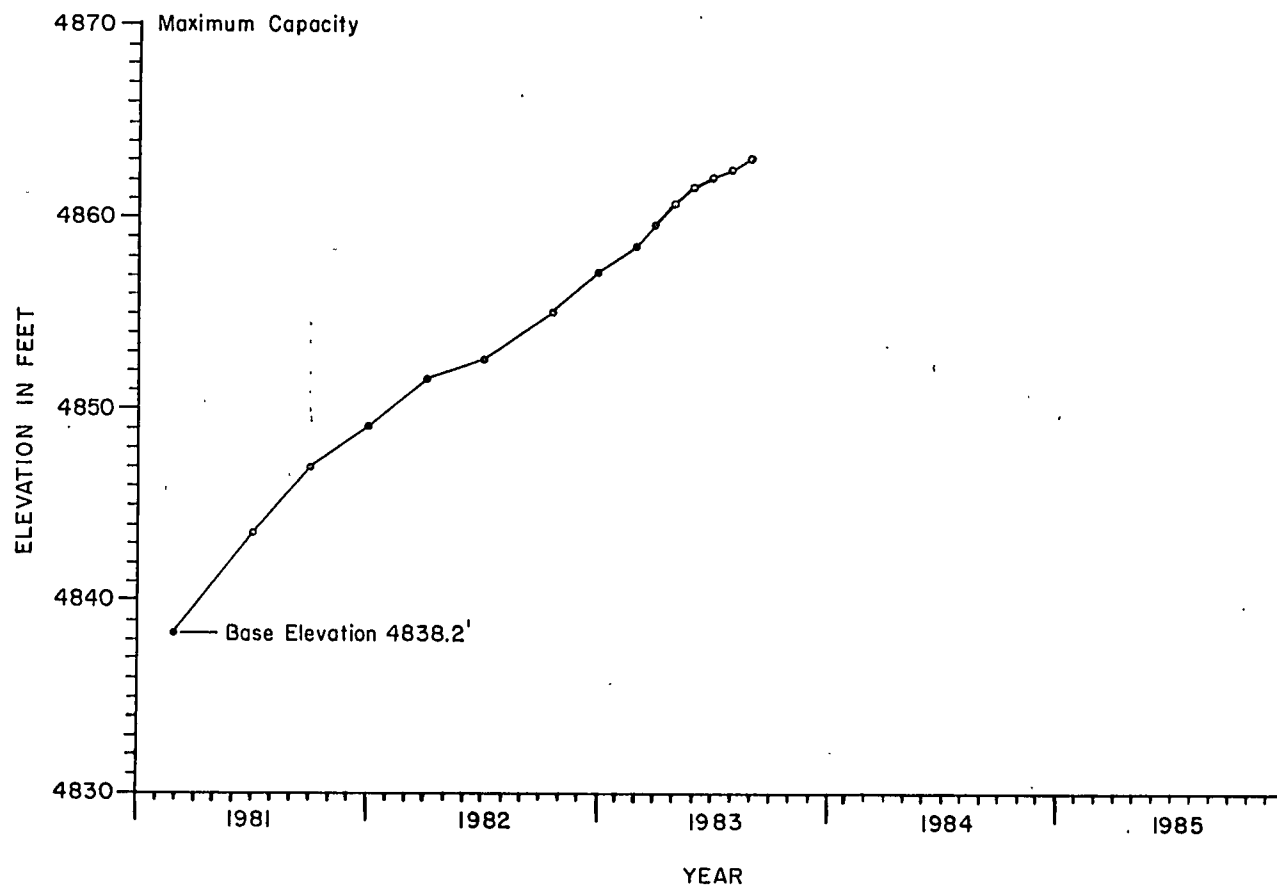


FIGURE 1

TONY M. MINE WASTE WATER IMPOUNDMENT

CALENDAR REPORTS OF WATER SURFACE ELEVATIONS



TONY M. MINE WASTE WATER IMPOUNDMENT CAPACITY

STORAGE CURVE CALCULATED BY MINE SURVEY DEPARTMENT
FROM CONTOUR MAPS OF STORAGE BASIN

FILLING HISTORY FEBRUARY 24, 1981 THROUGH
AUGUST 29, 1983

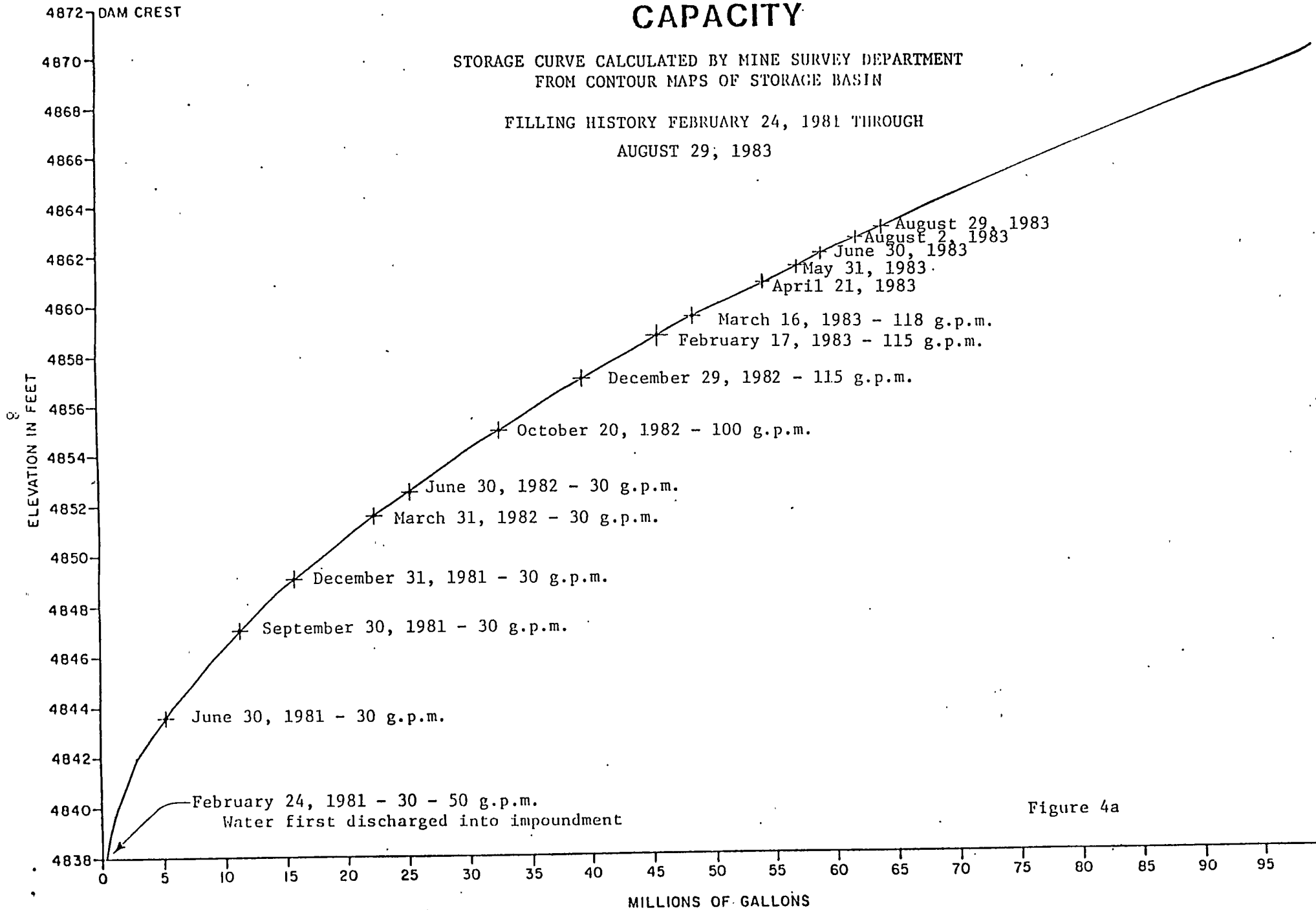


Figure 4a

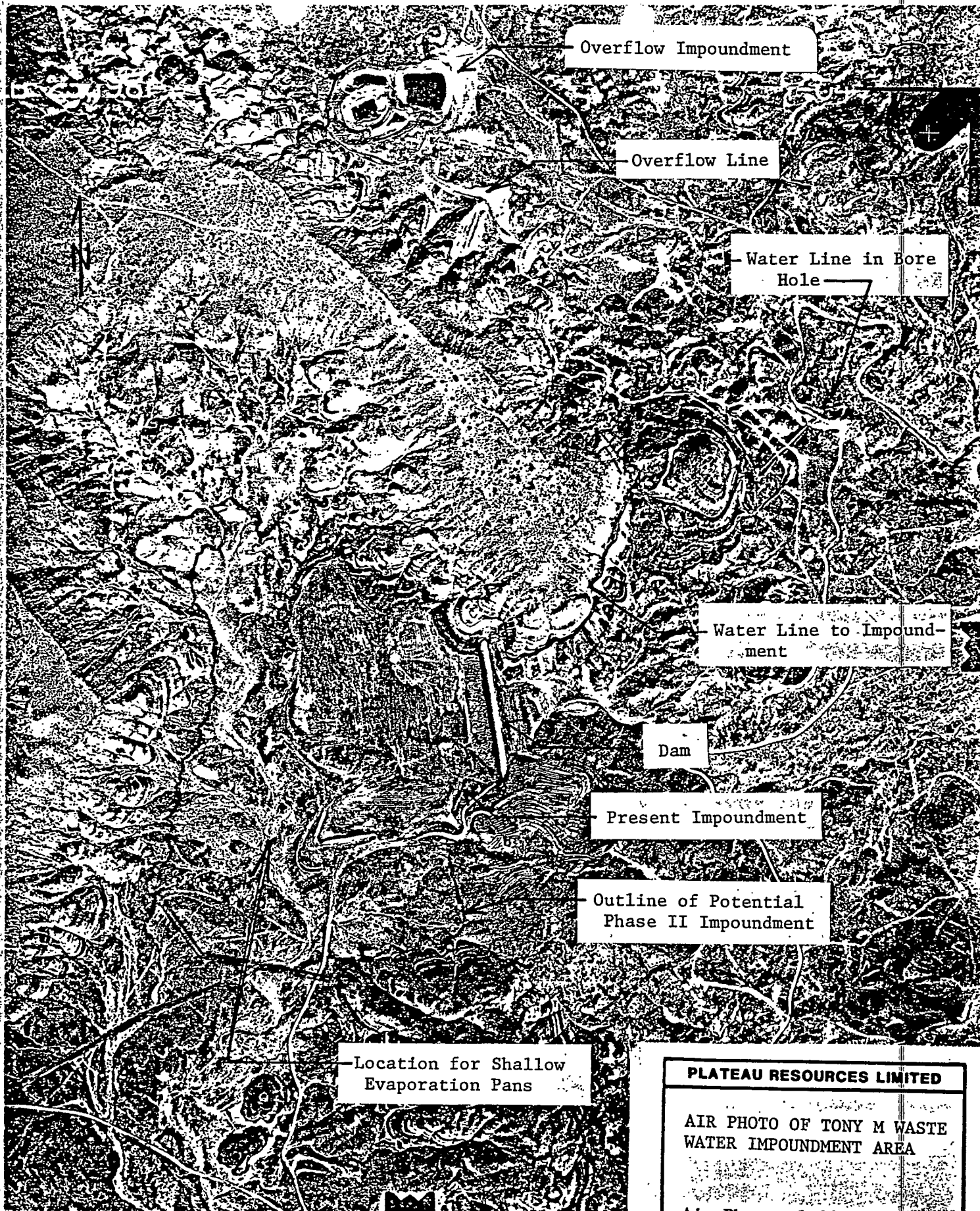


FIGURE 3

PLATEAU RESOURCES LIMITED	
AIR PHOTO OF TONY M WASTE WATER IMPOUNDMENT AREA	
Air Photos 1-03 & 04 February 23, 1981	
Scale: 1" = ~ 550'	Drafted by: Date: / / 19
Checked by: Date: / / 19	Approved by: Date: / / 19

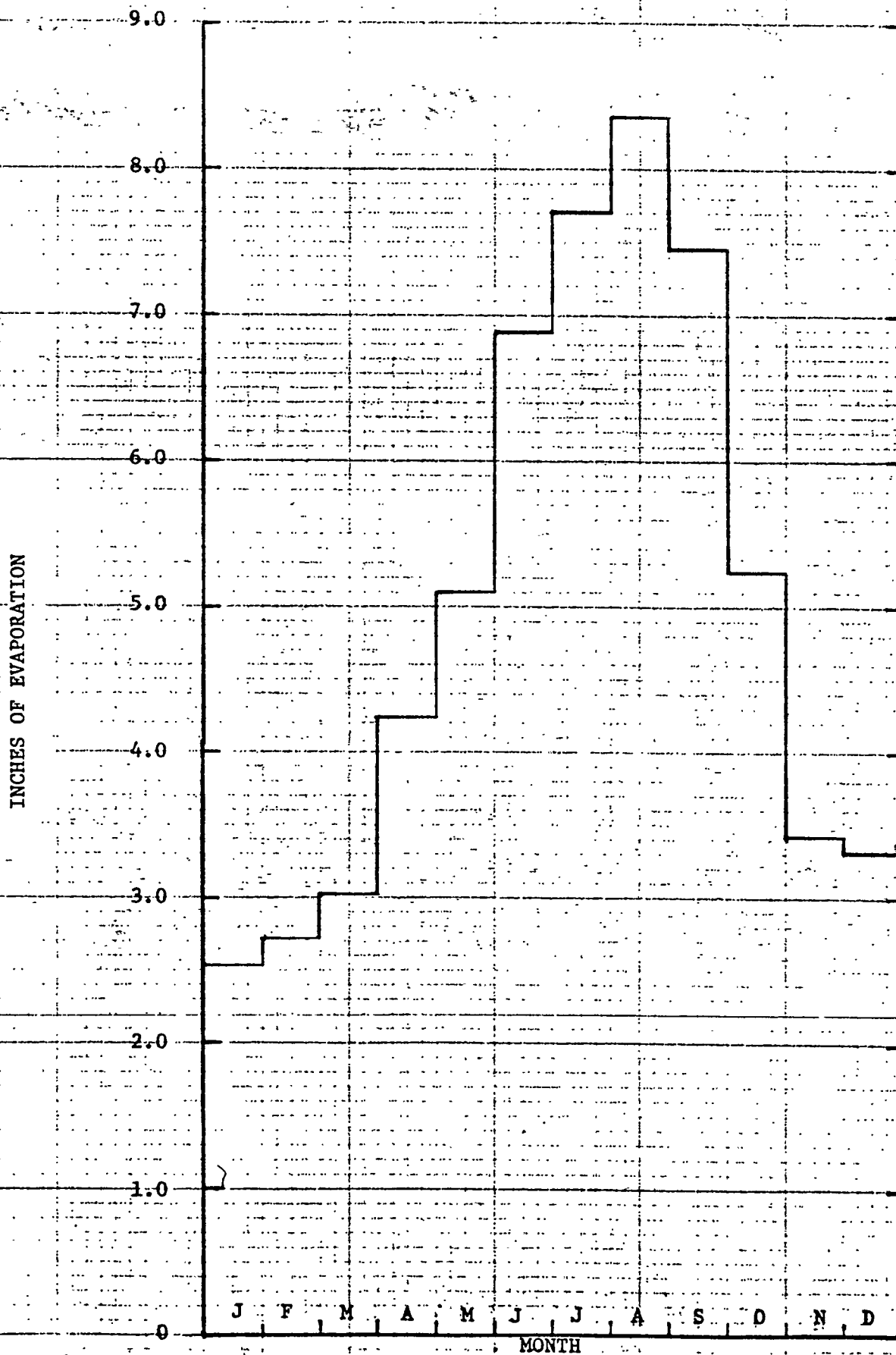


Fig. 6 Estimated monthly net evaporation rate at Shootaring Canyon
From: Geotechnical study and proposed design for Alternate Site
Impoundment Area, Appendix E, Armstrong Engineers and Associates, Inc.
Dated August 1980.



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